

Major Differences between Shinmi United States Patent #4,569,870 and Barton United States Patent Application #10/074,628:

(1) Shinmi teaches and claims coating both exterior surfaces of a fabric with the same elastomeric rubber coating. Patent References: Column 3 - line 68, Column 5 - line 18; Fig. 2 #22, Fig. 3 #22, Fig. 4 # 22, Fig. 5 #22.

Barton teaches and claims completely saturating a non-woven fiberglass scrim with two completely different saturants. The first saturant is used as a release agent, the second saturant is used as a bonding agent. Application References: [0006], [0008], [0009], [0010]; Claim (4).

(2) Shinmi teaches and claims a construction that does not self-adhere to the roof surface or to itself. The elastomeric rubber coated membrane needs to be laminated using pressure sensitive adhesive that needs to be further bounded with mechanical fasteners that penetrate through the membrane and across the entire laminated area using thread, rivets or bolts. Patent References: Abstract; Figures 1, 2, 3, 4, 5; Column 2 - lines 35 to 42, Column 4 - lines 1 to 6, Column 4 - lines 19 to 24, Column 4 - lines 46 to 54, Column 5 - lines 25 to 38, Column 5 - lines 65 to 66, Column 6 - lines 1 to 2, Column 6 - lines 51 to 56, Column 8 - lines 12 to 15.

Barton teaches and claims a construction that is self-adherent. It needs no glue or mechanical fasteners to bond it to the roof surface or to itself. Application References: [0005], [0006]; Claim (4); Abstract.

(3) Shinmi claims a membrane construction of seven to nine layers of material.

Patent References: Figures 2, 3, 4, 5.

Barton teaches and claims a membrane construction consisting of three layers of material. Application References: [0008], [0009], [0010]; Claim (4); Abstract.